

Abstract of the Disclosure:

An acquisition method for identifying a transmitter, and a correlator for carrying out the method includes correlating a received binary-coded spread sequence having  $m$  bits at a frequency  $f$  with a locally generated spread sequence by phase-shifting a multiplicity of locally generated spread sequences with respect to the received spread sequence, where  $f$  is the frequency of the incoming spread sequence. The received spread sequence is correlated with a locally generated spread sequence at the frequency  $f$ . The received spread sequence is stored and the stored, received spread sequence is processed at an oversampling rate  $i \cdot f$ . The received, stored spread sequence is split into  $i$  sections and the correlation is carried out in  $i$  steps. The correlator includes a shift register with feedback. Register positions of the shift register are connected in parallel to a memory input, and the memory output is connected in parallel with the register positions. A further memory holds reference signal sequences and a comparator compares the memory content with further memory content.

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